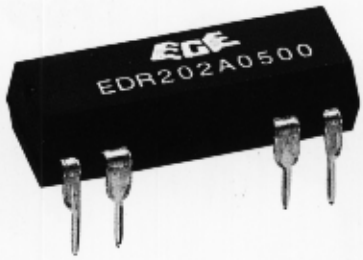
EDR 2A 1B 1C SERIES

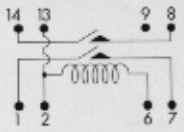
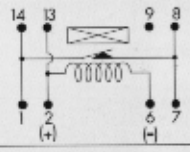
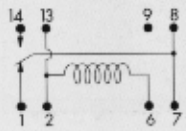
1.FEATURES:

1-1: Miniature, cost-effective switching solution
1-2: State-of-the art capsule designs.
1-3: Molded construction for
compatibility with automatic board processing.
1-4: Epoxy-molded dual-in-line-package.
1-5: Completely washable.



2. SPECIFICATIONS

2-1 Coil Rating:

Contact form	Nominal Voltage(VDC)	Max. Operate Voltage(V)	Pull-In Voltage(V)	Drop-out Voltage(V)	*Coil Resistance(Ω)	Nominal Input Power(mw)	Wiring Diagram Top view
2A	5	11	3.75	0.8	140±10%	179	
	12	20	9.00	1.0	500±10%	288	
	24	32	18.00	2.0	2150±10%	268	
1B	5	6	3.75	0.8	500±10%	50	
	12	14.5	9.00	1.0	1000±10%	144	
	24	29	18.00	2.0	2150±10%	268	
1C	5	11	3.75	0.8	200±10%	125	
	12	20	9.00	1.0	500±10%	288	
	24	32	18.00	2.0	2150±10%	268	

*Special design are available on request.

2-2 Contact Rating:

Contact form		2A	1B	1C
Switching Current		0.5ADC Max.	0.5ADC Max.	0.2ADC Max.
Carry Current		1.0ADC Max.	1.0ADC Max.	0.5ADC Max.
Switching Power		10VA Max.	10VA Max.	3VA Max.
Electrical Life		$1x10^8$(10VDC.10mA)	$1x10^8$(10VDC.10mA)	$.5x10^7$(5VDC.1mA)
Contact Resistance		150mΩ Max.	150mΩ Max.	150mΩ Max.
Operate Time		1.0m sec Max. (Including Bounce Time)	1.0m sec Max. (Including Bounce Time)	1.0m sec Max. (Including Bounce Time)
Release Time		1.0m sec Max. (Including Bounce Time)	1.0m sec Max. (Including Bounce Time)	1.0m sec Max. (Including Bounce Time)
Maximum Voltage		100VDC Max.	100VDC Max.	30VAC Max. 30VDC Max.
Insulation Resistance		10^{10}Ωmin.(100VDC)	10^{10}Ωmin.(100VDC)	10^9Ωmin.(100VDC)
Dielectric Strength	Between coil and contact	1400VDC	1400VDC	1400VDC
	Between Contacts	250VDC	250VDC	250VDC
Temperature Range	Operating Temp	-40°C~+85°C	-40°C~+85°C	-40°C~+85°C
	Storage Temp	-55°C~+125°C	-55°C~+125°C	-55°C~+125°C
Shock Resistance		30 g min.	30 g min.	30 g min.

3. PART NUMBERING SYSTEM:

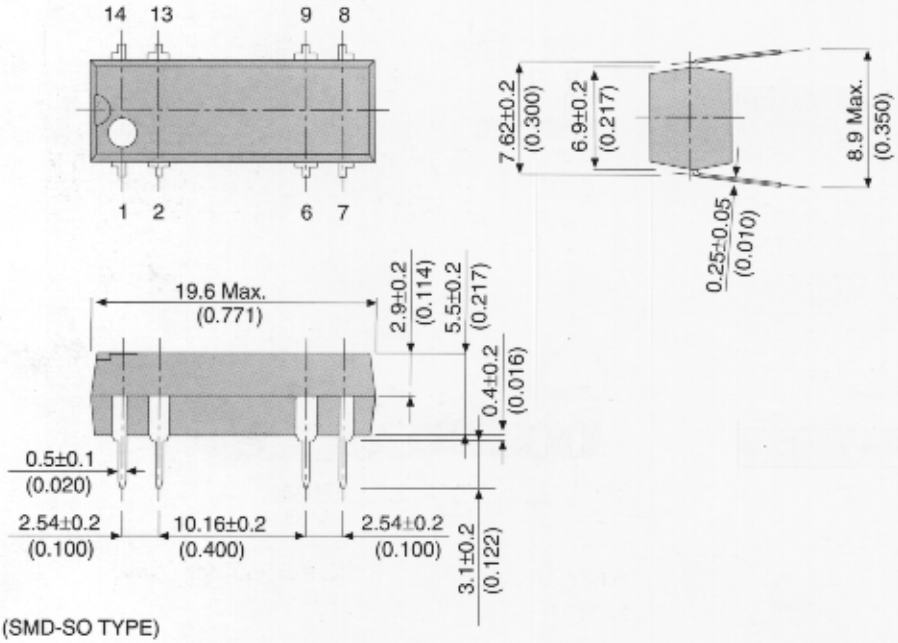
EDR 2 0 2A 05

- 05: NOMINAL VOLTAGE 05 : 5 VDC, 12 : 12 VDC, 24: 24 VDC
- 2A: CONTACT FORM 2A,1B ,1C: OPEN TYPE 2 FORM A, CLOSE TYPE 1 FORM B, 1 OPEN 1 CLOSE TYPE 1 FORM C
- 0: FUNCTION 0: NORMAL FUNCTION
- 2: TYPE 2 : DIP TYPE, 3 : SMD TYPE
- EDR: MODEL NAME

4. DIMENSIONS

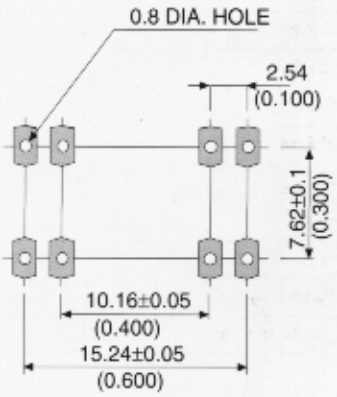
Unit: mm(inch)

(DIP TYPE)

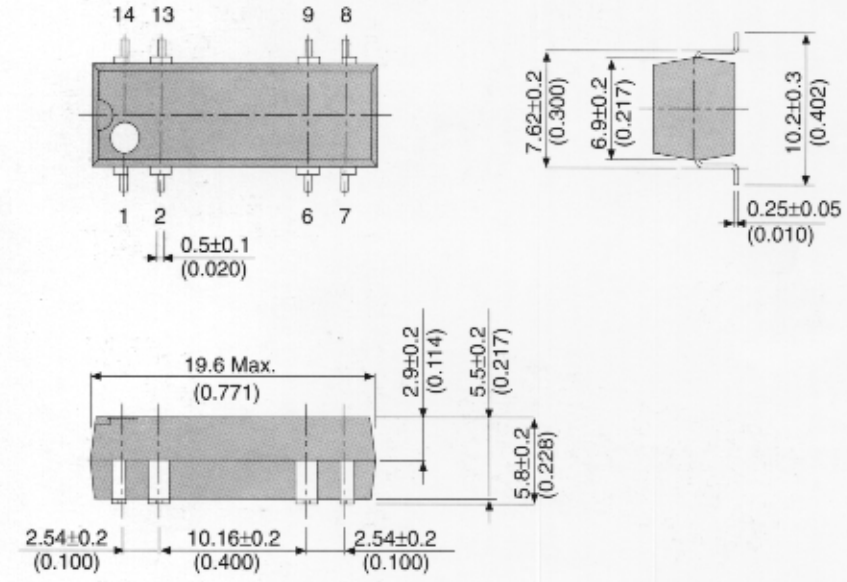


P.C.B Layout (Top View)

(DIP TYPE)



(SMD-SO TYPE)



(SMD-SO TYPE)